

# International Polytechnic Summer School "Smart Manufacturing and Digital Future"

Peter the Great St. Petersburg Polytechnic University

Degree or qualification is awarded: **Internationally Recognized SPbPU Certificate with list of completed courses, grades and ECTS**

Language of study: **English**

Mode of study: **full-time, distance learning**

Duration: **2 weeks**

Availability of free education: **no**

Price: **270-510 Euro**

Programme webpage at the university website:

[https://summerschool.spbstu.ru/programs/smart\\_manufacturing\\_and\\_digital\\_future/](https://summerschool.spbstu.ru/programs/smart_manufacturing_and_digital_future/)

Programme curator: **Department of International Educational Programs**

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The program provides students fundamental and applied research activities in the field of intelligent robotics and control systems; practicing innovative technologies and hard- and software solutions for the problems of industrial automation and high-tech industrial control systems. Students analyze the interactive environment of cyber-physical and robotic systems to create new solutions and mathematical models in the field of intelligent robotics and control systems. Teams of students studies and demonstrate technologies of industrial object remote control, group control of team behavior of collaborative robots and situational control in conditions of uncertainty in the framework of applied developments.

Duration: 2 weeks

ECTS credits: 4.0

Participation fee:

Online format: 270 eur

On-site format: 510 eur

Participation fee includes tuition fee, study materials, field trips (for on-site format) and cultural program.

Cultural program

Socio-cultural program of extracurricular activities and networking events are included\*:

Online format:

- - Online Pub Quiz;
- - Online Interactive Tour to SPbPU Museum;
- - Online broadcasting of excursion to the Hermitage museum;

On-site format:

- - Boat city tour for students to get acquainted with the beauty of the city;
- - Excursion to the Hermitage, one of the world's largest and oldest museums of fine art;

- - Pub Quiz in the city center of St. Petersburg;
- - Excursion to Pushkin, former tzar summer residence famous for its palace and park ensemble. Students will visit the outstanding Catherine Palace with glorious Amber room (optional, for extra price);
- - Excursion to Peterhof palace-ensemble with picturesque gardens, a countless number of fountains and giant golden statues (optional, for extra price)

\*All of the listed above activities are planned to take place but in case any of those will have to be cancelled, an alternative event will be offered to participants.

Deadline for registration

Online format: June 21, 2021

On-site format:

- for EU- or visa-free countries nationals: June 07, 2021

- for non-EU nationals: April 26, 2021

## **Specializations within this programme**